



SAYBOLT LP
400 Swenson Drive
Kenilworth, New Jersey 07033

Date: 26-May-04
Job No: 13031-0401572

LABORATORY CERTIFICATE OF ANALYSIS

Client: Sprague
Client Reference #: TBN
Vessel: Shore Tank 6 After B-105 Discharge
Terminal/Port: Sprague Rensselaer, NY
Sample Designated As: No. 6 Fuel Oil
Drawn By: Saybolt Inspector

Lab Reference No: 2004050222-01/05
Date Taken: 5/25/2004
Date Tested: 5/25/2004

Test	Units	Method	Result
Gravity API Upper	@ 60 Deg. F.	ASTM D- 4052	11.6
Middle			11.6
Lower			11.6
Suction			11.6
Running			11.6
Sulfur, X-Ray Upper	Weight %	ASTM D4294	0.497
Middle			0.499
Lower			0.484
Suction			0.479
Running			0.481
Gravity API	@ 60 Deg. F.	ASTM D- 4052	11.6
Sulfur, X-Ray	Weight %	ASTM D4294	0.481
Flash Point	Deg. F.	ASTM D-93	186
Pour Point	Deg. C / Deg. F	ASTM D-97	-6/21
Viscosity, KIN CST @ 122 F.	cSt	ASTM D-445	203.9
Viscosity, KIN SSF @ 122 F.	Sec	ASTM D-2161	96.2
Carbon Residue, Conradson	Weight %	ASTM D-189	8.4
Ash	Weight %	ASTM D-482	0.073
B S & W (Water & Sediment)	Volume %	ASTM D-1796	0.2
Water by Distillation	Volume %	ASTM D-95	0.4
Sediment by Extraction	Weight %	ASTM D-473	0.03
Nitrogen	Weight %	ASTM D-5762	0.30
Asphaltenes	Weight %	IP-143	2.21
Sodium	PPM	SOL/DIL	13
Vanadium	PPM	SOL/DIL	4
Gross Heat Of Combustion	BTU/lb	ASTM D-240	18306
Gross Heat Of Combustion	BTU/gal	ASTM D-240	150750
End of Analysis			

REMARKS

SPRAGUE PROVIDES THE ATTACHED INSPECTION REPORT/ANALYSIS REPRESENTING THE SPECIFICATIONS OF THE PRODUCT AT THE SPRAGUE TERMINAL IN TANK ON THE DATE OF INSPECTION NOTED ON THE CERTIFICATE. THIS ANALYSIS IS PROVIDED TO THE CUSTOMER FOR THE PURPOSE OF ESTABLISHING THE INDEPENDENTLY VERIFIED PRODUCT SPECIFICATION ON A COMPOSITE BASIS IN SPRAGUE'S TERMINAL SHORE TANK AS NOTED ON THE CERTIFICATE. THE INSPECTION REPORT IS NOT TO BE USED FOR ANY OTHER PURPOSE. SPRAGUE DISCLAIMS ANY LIABILITY FOR THE PRODUCT AFTER DELIVERY BY SPRAGUE TO CUSTOMER. SPRAGUE DISCLAIMS ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR AN INTENDED USE EXCEPT AS MAY BE SPECIFICALLY SET FORTH IN WRITING IN ANY CONTRACT OR TERMS OF SALE BETWEEN SPRAGUE AND A BUYER OF PRODUCT. SPRAGUE ASSUMES NO LIABILITY FOR CLAIMS OR LOSSES THAT MAY ARISE FROM CUSTOMER'S USE OF THIS INSPECTION REPORT/ANALYSIS.

Reason parameters apply. The evaluation of the test results specified above. Please also refer to ASTM D-3244 (except for analysis of RFG), IP-367 and other applicable standards and methods for analysis & testing with respect to the utilization of test data to determine conformance with specifications.

Information and professional judgments embodied in this report. This report is not a contract and does not constitute a warranty of performance of any party. Any person relying upon this report should be aware of the limitations of the report and the potential for errors.

Saybolt LP

FAST TO THE POINT.